DELL OptiPlex 7010 Intel® Core™ i5 i5-3470 4 GB DDR3-SDRAM 500 GB HDD Windows 7 Professional Mini Tower PC Black

Brand : DELL **Product family:** OptiPlex **Product code:** 462-3509

Product name : 7010

Intel Core i5-3470, 4GB (DDR3), 500GB (HDD), DVD±RW, Intel HD Graphics 2500, Windows 7 Professional (64 bit) / Windows 8 Pro, Intel Q77 Express, 4 x USB 3.0, 6 x USB 2.0, 1 x LAN, 1 x Serial, 1 x VGA, 2 x Display Port, 2 x PS/2, 9.4 kg

DELL OptiPlex 7010. Processor frequency: 3,2 GHz, Processor family: Intel® Core™ i5, Processor model: i5-3470. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1600 MHz. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 2500. Operating system installed: Windows 7 Professional, Operating system architecture: 64-bit. Power supply: 275 W. Chassis type: Mini Tower. Product type: PC

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	3rd gen Intel® Core™ i5
Processor model *	i5-3470
Processor cores	4
Processor threads	4
Processor boost frequency	3,6 GHz
Processor frequency *	3,2 GHz
Processor socket	LGA 1155 (Socket H2)
Processor cache	6 MB
Processor cache type	Smart Cache
System bus rate	5 GT/s
Bus type	DMI
FSB Parity	✗
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i5-3400 Desktop series
Processor codename	Ivy Bridge
Thermal Design Power (TDP)	77 W
Tcase	67,4 °C
PCI Express slots version	3.0
PCI Express configurations	1x16, 2x8
Number of processors installed	1
CPU multiplier (bus/core ratio)	32
Maximum internal memory supported by processor	32 GB
Memory types supported by processor	DDR3 1333/1600
Memory clock speeds supported by processor	1333,1600 MHz
Memory bandwidth supported by processor (max)	25,6 GB/s
ECC supported by processor	✗

Performance

Product type *	PC

Software

Operating system architecture	64-bit
Recovery operating system	Windows 8 Pro
Operating system installed *	Windows 7 Professional

Processor special features

Intel® Small Business Advantage (Intel® SBA)	✗
Intel® Wireless Display (Intel® WiDi)	✔
Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✗
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✗
Intel VT-x with Extended Page Tables (EPT)	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✔
Execute Disable Bit	✔
Intel FDI Technology	✔
Intel Flex Memory Access	✔
Intel Fast Memory Access	✔
Intel Enhanced Halt State	✔
Intel Demand Based Switching	✗

Memory

Internal memory *	4 GB
Maximum internal memory *	16 GB
Internal memory type	DDR3-SDRAM
Memory layout (slots x size)	1 x 4 GB
Memory slots	4x DIMM
Memory clock speed	1600 MHz
Memory channels	Dual-channel

Storage

Total storage capacity *	500 GB
Storage media *	HDD
Optical drive type *	DVD±RW
Number of storage drives installed	1
Number of HDDs installed	1
HDD capacity	500 GB
HDD interface	SATA
Card reader integrated	✔

Graphics

On-board graphics card *	✔
Discrete graphics card model *	Not available
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 2500
On-board graphics card base frequency	650 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
Number of displays supported (on-board graphics)	3
On-board graphics card ID	0x152

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)

Ports & interfaces

USB 2.0 ports quantity *	6
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
VGA (D-Sub) ports quantity	1
DVI port	✘
DisplayPorts quantity	2
PS/2 ports quantity	2
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Line-out	✔
Line-in	✔
Serial ports quantity	1

Expansion slots

PCI Express x1 slots	1
PCI Express x16 slots	2
PCI slots	1

Design

Chassis type *	Mini Tower
Placement supported	Vertical
Water cooling system	✘
Number of 3.5" bays	2
Number of 5.25" bays	2
Product colour *	Black

Processor special features

Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✘
Processor package size	37.5 mm
Supported instruction sets	AVX, SSE4.1, SSE4.2
CPU configuration (max)	1
Thermal solution specification	PCG 2011D
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1,00
Intel Secure Key Technology version	1,00
Intel Virtualization Technology (VT-x)	✔
Intel TSX-NI version	0,00
Intel Dual Display Capable Technology	✘
Intel Rapid Storage Technology	✘
Processor ARK ID	68316
Intel® Smart Response Technology	✘
Intel® Rapid Start Technology	✘
Intel® Turbo Boost Technology	2.0
Intel Smart Connect Technology	✘
Intel® Hyper Threading Technology (Intel® HT Technology)	✘
Intel® Quick Sync Video Technology	✔
Intel® My WiFi Technology (Intel® MWT)	✘
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Conflict-Free processor	✔

Power

Power supply *	275 W
Power supply input voltage	100 - 240 V
Power supply input frequency	50 - 60 Hz

Certificates

Compliance certificates	RoHS
Certification	CECP, WEEE

Sustainability

Sustainability certificates	ENERGY STAR

Weight & dimensions

Width *	175 mm
Depth *	417 mm
Height *	360 mm
Weight *	9,4 kg

Packaging content

Mouse included	✘
Keyboard included	✘
Cables included	AC
Manual	✔
AC adapter included	✔

Display

Display included *	✘

Other features

Optical drives quantity	1

Performance		Other features	
Motherboard chipset	Intel® Q77 Express	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Audio system	HD		
Password protection	✔		
Password protection type	BIOS		

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